



FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)	ATTY. DOCKET NO. I-1-58.7US	SERIAL NO. Not Yet Known
	APPLICANT Paneth et al.	
	FILING DATE Not Yet Known	GROUP Not Yet Known 2661

U.S. PATENT DOCUMENTS

	EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
1	<i>KNW</i>	R E 3 2 5 8 0	1/88	Atal et al.	381	40	
2		2 0 7 0 4 1 8	2/37	Beverage	250	9	
3		2 8 0 8 5 0 4	10/57	Neumann et al.	250	13	
4		2 9 4 1 0 3 8	6/60	Seki	179	15	
5		3 1 5 0 3 7 4	9/64	Sunstein et al.	343	204	
6		3 2 3 0 4 5 8	1/66	Strangeland	325	410	
7		3 3 3 2 0 1 6	7/67	Pokorný	325	18	
8		3 3 4 1 7 7 6	9/67	Doelz et al.	325	30	
9		3 3 4 8 1 5 0	10/67	Atal et al.	325	86	
10		3 4 7 1 6 4 6	10/69	Magunski et al.	179	15	
11		3 4 9 7 6 2 7	2/70	Blasbalg et al.	179	15	
12		3 4 9 9 9 9 5	3/70	Clark	179	15	
13		3 5 0 5 4 7 9	4/70	Hodge	179	15	
14		3 5 2 9 2 4 3	9/70	Reindl	325	55	
15		3 5 3 2 9 8 5	10/70	Glomb et al.	325	4	
16		3 5 3 4 2 6 4	10/70	Blasbalg	325	15	
17		3 5 4 6 6 8 4	12/70	Maxwell et al.	340	172.5	
18		3 5 6 4 1 4 7	2/71	Puente	179	15	
19		3 5 7 3 3 7 9	4/71	Schmitz	179	15	
20	<i>↓</i>	3 5 7 6 3 9 8	4/71	Dejean et al.	179	18	

EXAMINER <i>[Signature]</i>	DATE CONSIDERED <i>11/13/01</i>
--------------------------------	------------------------------------

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)	ATTY. DOCKET NO. I-1-58.7US	SERIAL NO. Not Yet Known <i>09/923,171</i>
	APPLICANT Paneth et al.	
	FILING DATE Not Yet Known	GROUP Not Yet Known <i>2661</i>

U.S. PATENT DOCUMENTS

	EXAMINER INITIAL	DOCUMENT NUMBER								DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
21	<i>Kew</i>	3	6	0	1	5	4	5		8/71	Saburi	179	15	
22		3	6	2	6	2	9	5		12/71	Saburi	325	4	
23		3	6	3	1	5	2	0		12/71	Atal	179	18A	
24		3	6	3	4	6	2	7		1/72	Valentini	179	15	
25		3	6	3	9	7	3	9		2/72	Golden et al.	235	152	
26		3	6	4	1	2	7	4		2/72	Sasaki et al.	179	15	
27		3	6	4	3	0	3	1		2/72	Sasaki et al.	179	15	
28		3	6	4	4	6	7	8		2/72	Schmidt	179	15	
29		3	6	5	4	3	9	5		4/72	Schmidt	179	15	
30		3	6	8	3	1	1	6		8/72	Dill	179	15	
31		3	7	1	0	0	2	7		1/73	Herter et al.	179	15	
32		3	7	4	0	4	7	6		6/73	Atal	179	1	
33		3	7	4	2	4	9	8		6/73	Dunn	343	7.5	
34		3	7	5	0	0	2	4		7/73	Dunn et al.	325	38	
35		3	8	0	6	8	7	9		4/74	Schmidt et al.	340	172.5	
36		3	8	1	2	4	3	0		5/74	Schmidt et al.	325	4	
37		3	8	1	8	4	5	3		6/74	Schmidt et al.	340	172.5	
38		3	8	2	0	1	1	2		6/74	Roth	340	347	
39		3	8	2	4	5	4	3		7/74	Cichetti, Jr.	340	147	
40	<i>✓</i>	3	8	2	7	0	5	2		7/74	Tanaka	343	178	

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)	ATTY. DOCKET NO. I-1-58.7US	SERIAL NO. Not Yet Known <u>09/923,171</u>
	APPLICANT Paneth et al.	
	FILING DATE Not Yet Known	GROUP Not Yet Known <u>2661</u>

U.S. PATENT DOCUMENTS

	EXAMINER INITIAL	DOCUMENT NUMBER								DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
41	<i>Kew</i>	3	8	2	9	6	7	0		8/74	Kebabian	235	152	
42		3	8	3	6	7	2	6		9/74	Wells et al.	179	41	
43		3	8	6	4	5	2	4		2/75	Walker	179	15	
44		3	8	8	9	0	6	3		6/75	Slavin	179	15	
45		3	8	9	1	9	5	9		6/75	Tsuji et al.	340	146.1	
46		3	8	9	4	1	9	4		7/75	Frost	179	41	
47		3	9	2	2	4	9	6		11/75	Gabbard et al.	179	15	
48		3	9	3	2	8	2	1		1/76	McClaskey	331	25	
49		3	9	5	9	5	9	5		5/76	Smith	179	15	
50		3	9	8	2	2	4	1		9/76	Lipcon	340	347	
51		4	0	0	4	2	2	6		1/77	Qureshi et al.	325	42	
52		4	0	0	9	3	4	3		2/77	Markey et al.	179	15	
53		4	0	0	9	3	4	4		2/77	Flemming	179	15	
54		4	0	0	9	3	4	5		2/77	Flemming et al.	179	15	
55		4	0	0	9	3	4	7		2/77	Flemming et al.	179	15	
56		4	0	1	3	8	4	0		3/77	Anderson	179	15	
57		4	0	2	0	3	3	2		4/77	Crochiere et al.	235	152	
58		4	0	2	0	4	6	1		4/77	Adams et al.	340	146.1	
59		4	0	2	1	6	1	6		5/77	Betts	179	15	
60	<i>✓</i>	4	0	2	7	2	4	3		5/77	Stackhouse et al.	325	53	

EXAMINER

Kew

DATE CONSIDERED

10/13/01

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)	ATTY. DOCKET NO. I-1-58.7US	SERIAL NO. Not Yet Known 09/923,171
	APPLICANT Paneth et al.	
	FILING DATE Not Yet Known	GROUP Not Yet Known 2661

U.S. PATENT DOCUMENTS

	EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
61	km	4 0 3 1 3 3 0	6/77	vanLeeuwen	179	41	
62		4 0 4 8 4 4 3	9/77	Crochiere et al.	179	1	
63		4 0 5 1 3 3 2	9/77	Izumi et al.	179	170.2	
64		4 0 5 4 7 5 3	10/77	Kaul et al.	179	15	
65		4 0 5 8 7 1 3	11/77	DiToro	364	724	
66		4 0 6 4 3 7 8	12/77	Kitayama et al.	179	170.2	
67		4 0 7 1 7 1 1	1/78	Beaupre et al.	179	41	
68		4 0 7 9 3 7 1	3/78	Shimamura	340	347	
69		4 0 8 6 5 3 6	4/78	Acker	325	137	
70		4 1 0 0 3 7 7	7/78	Flannagan	179	15	
71		4 1 0 9 1 0 1	8/78	Mitani	178	67	
72		4 1 1 2 3 7 2	9/78	Holmes et al.	325	321	
73		4 1 2 1 1 5 8	10/78	Hanni	325	55	
74		4 1 2 9 7 4 9	12/78	Goldman	179	2	
75		4 1 3 3 9 7 6	1/79	Atal et al.	179	1	
76		4 1 4 3 2 4 6	3/79	Smith	179	15	
77		4 1 7 1 4 6 7	10/79	Evenchik	179	15	
78		4 1 8 4 0 4 9	1/80	Crochiere et al.	179	1	
79		4 1 9 3 0 3 1	3/80	Cooper	455	38	
80	✓	4 2 0 8 6 3 2	6/80	Sheldon et al.	328	117	

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)	ATTY. DOCKET NO. I-1-58.7US	SERIAL NO. Not Yet Known <i>09/923,171</i>
	APPLICANT Paneth et al.	
	FILING DATE Not Yet Known	GROUP Not Yet Known <i>2661</i>

U.S. PATENT DOCUMENTS

	EXAMINER INITIAL	DOCUMENT NUMBER								DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
81	<i>Cur</i>	4	2	1	5	2	4	4		7/80	Gutleber	370	116	
82		4	2	1	6	3	5	4		8/80	Esteban et al.	179	15.55	
83		4	2	2	0	8	1	9		9/80	Atal	179	1	
84		4	2	2	2	1	1	5		9/80	Cooper et al.	375	1	
85		4	2	2	9	8	2	2		10/80	Bench	375	81	
86		4	2	3	6	2	5	4		11/80	Augustin et al.	455	223	
87		4	2	5	1	8	6	5		2/81	Moore et al.	364	200	
88		4	2	5	3	1	8	8		2/81	Gable	375	110	
89		4	2	5	6	9	2	5		3/81	Goode	370	104	
90		4	2	7	2	8	4	5		6/81	Fiumani	375	20	
91		4	3	0	1	5	3	0		11/81	Gutleber	370	18	
92		4	3	0	9	7	6	4		1/82	Acampora	370	83	
93		4	3	2	0	5	1	7		3/82	Godard	375	13	
94		4	3	2	8	5	8	5		5/82	Monsen	375	14	
95		4	3	3	5	4	4	6		6/82	Gandini et al.	364	900	
96		4	3	5	4	0	5	7		10/82	Atal	179	1	
97		4	3	5	5	3	0	4		10/82	Kasuga et al.	340	347	
98		4	3	5	7	7	0	0		11/82	Alvarez, III et al.	370	83	
99		4	3	6	3	0	0	2		12/82	Fuller	331	1	
100	<i>V</i>	4	3	6	5	3	3	8		12/82	McRae et al.	375	12	

EXAMINER

Kur

DATE CONSIDERED

11/10/01

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)	ATTY. DOCKET NO. I-1-58.7US	SERIAL NO. Not Yet Known <i>09/923,171</i>
	APPLICANT Paneth et al.	
	FILING DATE Not Yet Known	GROUP Not Yet Known <i>2801</i>

U.S. PATENT DOCUMENTS

	EXAMINER INITIAL	DOCUMENT NUMBER								DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
101	<i>Ww</i>	4	3	7	7	8	6	0		3/83	Godbole	370	84	
102		4	3	8	9	7	2	2		6/83	Hofmeister	370	100	
103		4	3	9	7	0	1	9		8/83	Alvarez et al.	370	104	
104		4	3	9	8	0	6	2		8/83	McRae et al.	179	1.5	
105		4	4	1	1	0	0	7		10/83	Rodman et al.	375	107	
106		4	4	1	4	6	6	1		11/83	Karlstrom	370	95	
107		4	4	1	8	4	0	9		11/83	Queen	370	104	
108		4	4	2	5	6	3	9		1/84	Acampora et al.	370	50	
109		4	4	3	0	7	4	3		2/84	Watanabe	375	13	
110		4	4	3	7	0	8	7		3/84	Petr	340	347	
111		4	4	3	7	1	8	3		3/84	Profet	370	110.1	
112		4	4	4	3	6	6	1		4/84	Kubo	179	2	
113		4	4	4	5	2	1	3		4/84	Baugh et al.	370	94	
114		4	4	4	9	2	5	0		5/84	Kurby	455	76	
115		4	4	5	5	6	4	9		6/84	Esteban et al.	370	80	
116		4	4	6	2	1	0	8		7/84	Miller	375	97	
117		4	4	6	6	1	2	9		8/84	Skutta	455	219	
118		4	4	7	0	1	4	1		9/84	Takada	370	104	
119		4	4	7	2	8	3	2		9/84	Atal et al.	381	40	
120	<i>W</i>	4	4	7	6	5	7	5		10/84	Franke et al.	455	76	

EXAMINER <i>Ww</i>	DATE CONSIDERED <i>11/12/01</i>
-----------------------	------------------------------------

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)	ATTY. DOCKET NO. I-1-58.7US	SERIAL NO. Not Yet Known <i>07/923,171</i>
	APPLICANT Paneth et al.	
	FILING DATE Not Yet Known	GROUP <i>206/</i> Not Yet Known

U.S. PATENT DOCUMENTS

	EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
121	<i>Kw</i>	4 4 7 7 9 1 3	10/84	Koya et al.	375	13	
122		4 4 8 0 3 2 8	10/84	Alaria et al.	370	63	
123		4 4 8 1 6 4 0	11/84	Chow et al.	375	1	
124		4 4 8 8 1 4 4	12/84	Wollman	340	347	
125		4 4 8 9 4 1 3	12/84	Richmond et al.	370	30	
126		4 4 9 5 6 1 9	1/85	Acampora	370	104	
127	<i>John</i>	4 5 0 3 5 1 0	<i>3</i> 5/85	Weaver	364	715	
128		4 5 0 7 7 8 1	3/85	Alvarez, III et al.	370	104	
129		4 5 1 0 5 9 5	4/85	Glance et al.	370	32	
130		4 5 1 9 0 7 3	5/85	Bertocci et al.	370	118	
131		4 5 2 5 8 3 5	6/85	Vance et al.	370	29	
132		4 5 3 1 2 3 5	7/85	Brusen	455	273	
133		4 5 3 8 2 3 4	8/85	Honda et al.	364	513.5	
134		4 5 5 0 4 2 4	10/85	Cheng et al.	381	15	
135		4 5 5 0 4 4 3	10/85	Freeburg	455	33	
136		4 5 6 2 5 7 2	12/85	Goldman et al.	370	80	
137		4 5 6 7 5 9 1	1/86	Gray et al.	370	109	
138		4 5 7 8 8 1 5	3/86	Persinotti	455	15	
139		4 5 8 4 6 9 3	4/86	Levy et al.	375	54	
140	<i>X</i>	4 5 8 7 6 6 2	5/86	Langewellpott	375	1	

EXAMINER <i>Kw</i>	DATE CONSIDERED <i>11/16/01</i>
--------------------	---------------------------------

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)	ATTY. DOCKET NO. I-1-58.7US	SERIAL NO. Not Yet Known 09/23,171
	APPLICANT Paneth et al.	
	FILING DATE Not Yet Known	GROUP Not Yet Known 266/

U.S. PATENT DOCUMENTS

	EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
142	✓	4 5 9 7 1 0 5	1/86	Freeburg	455	33	
143		4 5 9 9 4 9 0	7/86	Cornell et al.	455	33	
144		4 6 0 8 7 1 1	8/86	Goldman	455	33	
145		4 6 1 3 9 9 0	9/86	Halpern	455	33	
146		4 6 2 2 6 8 0	11/86	Zinser	375	25	
147		4 6 2 5 3 0 8	11/86	Kim et al.	370	104	
148		4 6 2 8 5 0 6	12/86	Sperlich	370	104	
149		4 6 3 0 2 5 7	12/86	White	370	29	
150		4 6 3 0 3 1 4	12/86	Smith	455	52	
151		4 6 3 7 0 3 6	1/87	Kobari	375	76	
152		4 6 3 8 4 7 9	1/87	Alexis	370	95	
153		4 6 3 9 9 1 4	1/87	Winters	370	110.1	
154		4 6 4 2 8 0 6	2/87	Hewitt et al.	370	95	
155		4 6 4 4 5 3 4	2/87	Sperlich	370	95	
156		4 6 4 4 5 3 5	2/87	Johnson et al.	370	99	
157		4 6 5 6 6 5 3	4/87	Oda et al.	379	61	
158		4 6 7 5 8 6 3	6/87	Paneth et al.	370	50	
159		4 7 0 9 3 9 0	11/87	Atal et al.	381	51	
160	✓	4 7 4 1 0 1 8	4/88	Potratz et al.	379	58	
		4 7 4 2 5 5 0	5/88	Fette	381	36	

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)	ATTY. DOCKET NO. I-1-58.7US	SERIAL NO. Not Yet Known <i>09/923,171</i>
	APPLICANT Paneth et al.	
	FILING DATE Not Yet Known	GROUP <i>246/</i> Not Yet Known

U.S. PATENT DOCUMENTS

	EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
161	<i>Kur</i>	4 7 5 4 4 5 0	6/88	Lynk, Jr., et al.	370	29	
162		4 7 5 5 9 9 4	7/88	Staples et al.	370	118	
163		4 7 7 1 4 2 5	9/88	Baran et al.	370	85	
164		4 7 7 7 6 3 3	10/88	Fletcher et al.	370	50	
165		4 7 8 5 4 5 0	11/88	Bolgiano et al.	370	95	
166		4 7 8 8 6 8 1	11/88	Thomas et al.	370	100	
167		4 7 9 7 9 4 7	1/89	Labedz	455	33	
168		4 8 1 1 4 2 0	3/89	Avis et al.	455	51	
169		4 8 1 7 0 8 9	3/89	Paneth et al.	370	94	
170		4 8 2 5 4 4 8	4/89	Critchlow et al.	375	8	
171		4 8 4 3 6 1 2	6/89	Brusch et al.	375	1	
172		4 8 4 3 6 2 1	6/89	Potratz	379	58	
173		4 8 6 4 5 6 6	9/89	Chauveau	370	109	
174		4 8 8 2 7 7 0	11/89	Miyshira et al.	455	603	
175		4 8 9 3 3 1 7	1/90	Critchlow et al.	375	97	
176		4 9 1 2 7 0 5	3/90	Paneth et al.	370	95.1	
177		4 9 1 8 7 4 6	4/90	Serizawa	455	54	
178		4 9 7 4 0 9 9	11/90	Lin et al.	358	426	
179		5 0 2 2 0 2 4	6/91	Paneth et al.	370	50	
180	<i>W</i>	5 0 5 1 9 9 1	9/91	Szczutkowski	370	108	

EXAMINER <i>Kur</i>	DATE CONSIDERED <i>11/16/01</i>
---------------------	---------------------------------

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)	ATTY. DOCKET NO. I-1-58.7US	SERIAL NO. Not Yet Known <u>07/923,171</u>
	APPLICANT Paneth et al.	
	FILING DATE Not Yet Known	GROUP Not Yet Known <u>2661</u>

FOREIGN PATENT DOCUMENTS

	EXAMINER INITIAL	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
187	<i>Ku</i>	A2 2 5 2 4 8 3	6/84	Australia				
188		B9 1 5 4 5 8 2	7/83	Australia				
189		1 0 3 5 4 7 6	7/78	Canada	H04J	3/02		
190		1 1 7 6 3 3 6	10/84	Canada	340	72		
191		1 2 4 6 1 4 8	12/88	Canada	325	29		
192		2 0 2 0 0 9 4	4/70	Germany				
193		2 3 0 8 7 3 6	08/74	Germany	H04B	7/00		
194		2 4 3 7 1 5 2	8/74	Germany				
195		2 6 5 9 5 9 6	12/77	Germany				
196		2 6 5 9 6 3 5	6/79	Germany	H04	B 7/26		
197		2 3 6 2 8 5 5	6/75	Germany	H03K	13-01		
198		2 7 1 5 3 3 2	10/78	Germany	H04B	1/62		
199		2 8 1 2 0 0 9	9/79	Germany	H04B	7/26		
200		2 8 3 8 7 5 7	3/79	Germany	H04Q	11/04		
201		3 1 1 8 0 1 8	11/82	Germany	H04Q	7/04		
202		3 1 3 0 1 7 6	2/83	Germany	H04B	7/26		
203		3 2 2 4 9 2 2	1/84	Germany	H04J	6/00		
204		3 2 4 5 3 4 4	6/84	Germany	H04L	27/22		
205		3 3 3 2 2 2 0	2/85	Germany	G08C	15/06		
206	<i>V</i>	3 4 1 7 4 0 4	11/84	Germany	H04L	27/00		

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)	ATTY. DOCKET NO. I-1-58.7US	SERIAL NO. Not Yet Known <u>09/923,171</u>
	APPLICANT Paneth et al.	
	FILING DATE Not Yet Known	GROUP <u>266P</u> Not Yet Known

FOREIGN PATENT DOCUMENTS

	EXAMINER INITIAL	DOCUMENT NUMBER								DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
														YES	NO
207	<i>Kur</i>	3	4	4	3	9	7	4		6/86	Germany	H04J	3/00		
208		3	5	2	7	3	3	0		2/87	Germany	2/87			
209		0	0	0	3	6	3	3		6/79	Europe	H04Q	7/04		
210		0	0	1	8	7	0	2		11/80	Europe	H04B	1/10		
211		0	0	3	5	2	3	0		9/81	Europe	H04B	7/15		
212		0	0	3	6	1	4	6		3/81	Europe	H04Q	7/04		
213		0	0	4	0	9	5	4		12/81	Europe	H04Q	7/04		
214		0	0	4	8	8	5	4		4/82	Europe	H04Q	7/04		
215		0	0	4	8	8	5	9		4/82	Europe	H04B	7/26		
216		0	0	6	6	8	3	9		12/82	Europe	H04B	7/185		
217		0	0	7	7	2	1	6		4/83	Europe	H04B	1/64		
218		0	0	7	3	3	2	3		3/83	Europe	H04L	9/00		
219		0	1	0	0	5	9	3		2/84	Europe	H04L	11/16		
220		0	1	2	0	7	1	8		10/84	Europe	H04Q	7/04		
221		0	1	3	2	4	0	6		7/90	Europe	H04B	7/155		
222		0	1	3	8	3	6	5		4/85	Europe	H04B	7/24		
223		0	1	4	9	1	3	6		7/85	Europe	H04J	3/06		
224		0	1	5	6	7	6	5		2/85	Europe	H04B	7/26		
225		0	1	8	0	2	0	2		5/86	Europe	H04B	7/26		
226	<i>✓</i>	0	0	3	0	5	8	4		6/81	Europe	H04L	27/22		

EXAMINER *Kur*DATE CONSIDERED *11/16/01*

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)	ATTY. DOCKET NO. I-1-58.7US	SERIAL NO. Not Yet Known <u>07/923,171</u>
	APPLICANT Paneth et al.	
	FILING DATE Not Yet Known	GROUP Not Yet Known <u>2661</u>

FOREIGN PATENT DOCUMENTS

	EXAMINER INITIAL	DOCUMENT NUMBER							DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
													YES	NO
227	<u>Kw</u>	0	0	6	1	3	7	7	9/82	Europe	H03D	3/00		
228		0	0	6	4	6	8	6	11/82	Europe	G04Q	7/04		
229		0	0	8	6	4	8	2	8/83	Europe	H04L	27/20		
230		0	0	9	9	7	0	2	2/84	Europe	H04L	27/22		
231		0	1	1	3	6	6	2	7/84	Europe	H04Q	7/04		
232		0	1	2	4	3	1	9	11/84	Europe	H04B	7/26		
233		0	1	6	0	9	9	3	11/86	Europe	H04Q	7/04		
234		0	1	8	9	8	2	2	6/84	Europe	H04B	7/26		
235		0	3	1	2	6	9	0	5/88	Europe	H04B	7/26		
236		0	3	4	7	3	9	6	12/89	Europe	H04Q	7/04		
237		2	1	7	5	8	3	3	10/73	France	H04B	7/18		
238		2	5	3	2	1	3	0	8/84	France	H03H	17/00		
239		2	5	9	9	2	0	2	5/86	France	H04B	3/60		
240		3	4	2	3	6	4	0	6/84	Germany	H04B	7/26		
241		3	4	2	3	7	8	0	6/84	Germany	H04H	3/00		
242		1	0	8	7	1	8	8	10/67	Great Britain	H04B	7/20		
243		1	1	6	0	7	9	4	8/69	Great Britain	H03B	3/08		
244		1	2	9	6	1	8	1	11/72	Great Britain	H04J	3/00		
245		1	3	7	1	1	8	5	10/74	Great Britain	G01D	21/00		
246	<u>✓</u>	1	5	2	6	0	0	5	9/78	Great Britain	H04J	4/00		

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)	ATTY. DOCKET NO. I-1-58.7US	SERIAL NO. Not Yet Known 09/923,171
	APPLICANT Paneth et al.	
	FILING DATE Not Yet Known	GROUP Not Yet Known 2661

FOREIGN PATENT DOCUMENTS

	EXAMINER INITIAL	DOCUMENT NUMBER								DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
														YES	NO
247	Ku	1	5	6	2	9	6	4		3/80	Great Britain	H04Q	7/04		
248		1	5	8	4	6	2	1		2/81	Great Britain	H04B	1/03		
249		2	0	0	3	3	6	6		3/79	Great Britain	H04B	1/10		
250		2	0	0	4	0	9	8		3/79	Great Britain	G06F	3/00		
251		2	0	5	2	2	1	6		1/81	Great Britain	H04B	1/56		
252		2	0	6	3	0	1	1		5/81	Great Britain	H04Q	7/00		
253		2	0	9	5	5	1	6		9/82	Great Britain	H04J	3/06		
254		2	1	0	7	1	4	3		4/83	Great Britain	H03C	3/08		
255		2	1	2	5	6	5	4		3/84	Great Britain	H64J	13/00		
256		2	1	3	8	6	5	2		10/84	Great Britain	H04Q	11/02		
257		5	2	7	2	5	1	7		6/79	Japan	H04B	7/155		
258		5	4	6	0	8	0	6		5/79	Japan				
259		5	7	6	3	9	4	3		4/82	Japan	H04B	7/26		
260		5	2	7	1	1	0	4		10/75	Japan	H04B	1/40		
261		5	8	7	7	3	4	1		5/83	Japan	H04B	7/15		
262		5	8	8	1	3	4	9		5/83	Japan	H04B	7/24		
263		5	9	5	2	9	9	3		3/84	Japan	H04Q	11/04		
264		5	9	5	8	9	2	7		4/84	Japan	H04B	7/26		
265		5	4	1	0	5	4	42		8/79	Japan	G06F	9/16		
266		5	6	1	7	9	9	70		11/81	Japan				

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)	ATTY. DOCKET NO. I-1-58.7US	SERIAL NO. Not Yet Known 09/923,171
	APPLICANT Paneth et al.	
	FILING DATE Not Yet Known	GROUP Not Yet Known 2661

FOREIGN PATENT DOCUMENTS

	EXAMINER INITIAL	DOCUMENT NUMBER								DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
														YES	NO
267	1/10	5	7	2	0	2	1	42	12/82		Japan	H04B	7/185		
268		5	7	2	1	0	7	43	12/82		Japan	H04J	3/06		
269		6	0	2	5	0	7	35	12/85		Japan	H04J	3/06		
270		1	9	7	2	4	55	27			Japan				
270		1	9	7	3	9	2	81	12/81		Japan				
271		WO83	0	0	4	1	2		2/83		PCT	H04J	6/00		
272		WO84	0	3	1	8	8		8/84		PCT	H04L	27/14		
273		WO84	0	0	4	5	5		2/84		PCT	H04B	1/56		
274		WO86	0	2	7	2	6		5/86		PCT	G01L	5/00		
275		WO86	0	6	9	1	5		11/86		PCT	H04Q	7/04		
276		1	5	0	6	7	1	0	4/78		United Kingdom	H04B	7/15		
276	q	0	6	3	7	5	1	4	7/83		Sweden	H04Q	5/14		

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)	ATTY. DOCKET NO. I-1-58.7US	SERIAL NO. Not Yet Known 09/923,171
	APPLICANT Paneth et al.	
	FILING DATE Not Yet Known	GROUP <i>2001</i> Not Yet Known

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

277		Cellular Digital Radiotelephone System CD 900, Mobile Communication for a Mobile Society
278		Exchange Unit
279		IRT 1500 Modular Rural Phone System using Advanced Technology to Lower Cost
280		Methods of Synchronization, Data Transmission, chapters 14 and 15
281		Product Specification for Rural Subscriber Radio, Prepared by Network Planning Dept., General Telephone co. of the Southwest, Report
282		Siemens Aktiengesellschaft, Order No. N 100-3117, Published by the Public Telephone Communications Systems Division (Translation)
283		TRI-TAC Technology Forecast, Joint Tactical Communications Office, Report No. TTO-CRT-035-73, October, 1974
284		DAMA Proposal, 1977
285		Mobile Multiple Access Study, Final Report, Contract No. NAS5-23454, August, 1977
286		The International Telegraph and Telephone Consultative Committee (CCITT) Rural TDM Multi-Access Telephone Radio System, Geneva, 1979

EXAMINER <i>[Signature]</i>	DATE CONSIDERED 11/16/01
-----------------------------	-----------------------------

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)	ATTY. DOCKET NO. I-1-58.7US	SERIAL NO. Not Yet Known <i>09/923,171</i>
	APPLICANT Paneth et al.	
	FILING DATE Not Yet Known	GROUP Not Yet Known <i>2661</i>

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

286	<i>km</i>	The Future of Digital Technology in the Private Radio Services, Report, pp.23-26 and Figure 5, 1981
287	<i>km</i>	Engineering and Operations in the Bell System, pp. 370-373, 1982
288		1218 CSR Digital Image Concentrator Product Data Sheet, June, 1983 <i>Author, pages</i>
289		Digital Systems for Outback Phones, <u>Engineers Australia</u> , October, 1984 <i>author, pages</i>
290	<i>km</i>	The International Telegraph and Telephone Consultative Committee, Digital Networks Transmission Systems and Multiplexing Equipment, Recommendation G. 721, 32 kbit/s Adaptive Differential Pulse Code Modulation (ADPCM), Malaga-Torremolinos, October, 1984
291		<u>New Scientist</u> , p. 24, September, 1984 <i>Title unknown</i>
292	<i>km</i>	Stansfield Speech Processing for Low Data Rate Digital Voice Communication System and Random Process Theory, pp. 933-955, (Sijthoff & Noordhoff), 1978
293	<i>km</i>	A Periodic Switching Diversity Technique for a Digital FM Land Mobile Radio, <u>Transactions on Vehicular Technology</u> , Vol. VT-27, No. 4., November, 1978
294	<i>km</i>	Performance of Baseband-Bandlimited Multilevel FM with Discriminator Detection for Digital Mobile Telephony, <u>The Transactions of the IECE of Japan</u> , vol. E 64, no. 7, pp. 463-469, July, 1981

EXAMINER <i>km</i>	DATE CONSIDERED <i>11/16/01</i>
-----------------------	------------------------------------

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)	ATTY. DOCKET NO. I-1-58.7US	SERIAL NO. Not Yet Known <i>09/923,171</i>
	APPLICANT Paneth et al.	
	FILING DATE Not Yet Known	GROUP Not Yet Known <i>2661</i>

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

295		An Analysis of Error Rates for Nyquist - and Partial Response-Baseband-Filtered Digital FM with Discriminator Detection, <u>The Transactions of the Institute of Electronics and Communication Engineers of Japan</u> , (English Abstract), 1983 <i>pages Author</i>
296		The Multipath Phenomenon in Line-of-Sight Digital Transmission Systems, <u>Microwave Journal</u> , pp. 215-226, May, 1984 <i>Author</i>
297		Adaptive Predictive Coding of Speech Signals, <u>The Bell System Technical Journal</u> , pp. 1973-1986, October, 1973 <i>Author</i>
298		A New Model of LPC Excitation for Producing Natural-Sounding Speech at Low Bit Rates, <u>IEEE International Conference on Acoustics, Speech, and Signal Processing</u> , vol. 1 of 3, Paris, France, pp. 614-617, May, 1982
299		Telecom's Successful Struggle to Bring Quality Service to the Vast Australian Outback, <u>Telephony</u> , pp. 82-124, October, 1983 <i>Author</i>
300		The Army's Net Frequency Hopping Jam Resistant Combat Net Radio, <u>Signal</u> , pp. 21-25, November, 1982 <i>Author</i>
301		Ballance, A Low-cost TDM/TDMA Subsystem for Point-to-Multipoint Local Distribution, Br. Telecom, Technical J. Vol. 2, No. 2, April, 1984 <i>pages</i>
302	<i>ku</i>	Beaupre, Microwave Radio Provides Service to Sparsely Populated Areas, <u>Canadian Electronics Engineering</u> , June, 1976 <i>pages</i>
303	<i>ku</i>	Beaupre, Subscriber Radio - A New Solution for Rural Telephony, Communications International, at 52, 54, May, 1980
304	<i>ku</i>	Beaupre, Five years of TDMA Subscriber Radio, <u>IEEE International Conference on Communications: Integrating Communication for World Progress (ICC '83)</u> , Boston, MA, vol. 1, pp. 375-379, 1983

EXAMINER <i>ku</i>	DATE CONSIDERED <i>11/16/81</i>
--------------------	---------------------------------

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)	ATTY. DOCKET NO. I-1-58.7US	SERIAL NO. Not Yet Known <i>09/923,171</i>
	APPLICANT Paneth et al.	
	FILING DATE Not Yet Known	GROUP Not Yet Known <i>2661</i>

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

305	<i>flw</i>	Bernstein, A TERMINAL ACCESS CONTROL SYSTEM FOR FLEETSAT, <u>AGARD Conference Proceedings No. 239 - Digital Communications in Avionics</u> , June, 1978
306		Bhargava Digital Communications by Satellite, Modulation, Multiple Access and Coding at 200-203 and 229-267 <i>Date</i>
307	<i>flw</i>	Bhusri, Considerations for ISDN Planning and Implementation, <u>IEEE Communications Magazine</u> , Vol. 22, no. 1, pp. 18-32, January, 1984
308	<i>flw</i>	Birtwistle, A Second Generation Secure Tactical Communication System, <u>Signal</u> , pp. 35-43, October, 1984
309		Blanco, On the Optimization of Simple Switched Diversity Receivers, October, 1984 <i>pages</i>
310	<i>flw</i>	Bohm, Mit Digitaltechnik zum Mobiltelefon fur alle, 38 Juli, No. 7, <u>Nachrichten Elektronik</u> , Telematik 38, Heidelberg, Deutschland, pp. 264-268, 1984
311	<i>flw</i>	Bolgiano, Spectrally Efficient Digital UHF Mobile System, IEEE Transactions on Communications pg. 693-696, 1988
312	<i>flw</i>	Bonnerot et al., Digital PCM-ADPCM Converter For Digital Tandem Connections, <u>IEEE</u> , pp. 62.4.1-62.4.62.4.5, 1981
313	<i>flw</i>	Borelli et al., Enhanced JTIDS: High Antijam Secure Voice Radio System, <u>Signal</u> , pp. 47-54, November, 1984
314		Brand et al., Demand Assigned Digital time Division Multiple Access (DA-TDMA) Satellite Communications in Digital Switched Networks, pp. 24.21- 24.26 <i>Date</i>

EXAMINER <i>flw</i>	DATE CONSIDERED <i>11/16/01</i>
---------------------	---------------------------------

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)	ATTY. DOCKET NO. I-1-58.7US	SERIAL NO. Not Yet Known <i>09/923,171</i>
	APPLICANT Paneth et al.	
	FILING DATE Not Yet Known	GROUP Not Yet Known <i>2661</i>

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

315	<i>Kw</i>	Brewer et al., Rural Subscriber Physical Loops, Abstract, <u>IEEE Transactions on Communications</u> , Vol. COM-23, no. 12, p. 1474, December, 1975
316		Bridwell et al., A PRELIMINARY DESIGN OF A TDMA SYSTEM FOR FLEETSAT, M.I.T. Lincoln Laboratory, Technical Note 1975-5, March, 1975 <i>pages</i>
317		Bridwell, A TERMINAL ACCESS CONTROL SYSTEM FOR FLEETSAT, M.I.T. Lincoln Laboratory, Technical Note 1976-29, November, 1976 <i>pages</i>
318	<i>Kw</i>	Brusch, Modulation, Codierung, Sicherung der Nachricht und Verbindungsaufbau im Mobilfunk, <u>ntz. Bd.</u> , 31, pp. 196-200, 1978
319	<i>Kw</i>	Burian, Switching Philosophy of the Digital Cellular Radio Telephone System CD 900, <u>Nordic Seminar on Digital Land Mobile Radio Communication</u> , Espoo, Finland, pp. 271-278, February, 1985
320	<i>Kw</i>	Burton, Telecommunications Technology in the Outback, <u>Telecommunications Journal of Australia</u> , Vol. 34, No. 3, pp. 213-220, 1984
321	<i>Kw</i>	Carney et al., A Digital Mobile Radio for 5-6 Kiloherzt Channels, <u>IEEE</u> , pp. 5B.3.1-5B.3.6, 1982
322	<i>Kw</i>	Carter, Survey of Synchronization Techniques for a TDMA Satellite-Switched System, <u>IEEE Transactions on Communications</u> , Vol. COM-28, No. 8, pp. 1291-1301, August, 1980
323		CCITT, Rural - Telecommunication -- Supplement No. 1, 1983 <i>date, Kw</i>
324	<i>Kw</i>	Chadha et al., Mobile Telephone Switching Office, <u>The Bell System Technical Journal</u> , Vol. 58, No. 1, pp. 71-95, January, 1979
325		Christensen, SUBSCRIBER RADIO BASE STATION CONFIGURATIONS <i>date, pages</i>
326		Christian et al., U.S. Patent Application Serial No. 566,767 , filed December 29, 1983 for Time Division Multiple Access Communications System, December, 1983

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)	ATTY. DOCKET NO. I-1-58.7US	SERIAL NO. Not Yet Known <i>09/923,171</i>
	APPLICANT Paneth et al.	
	FILING DATE Not Yet Known	GROUP Not Yet Known <i>7661</i>

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

327		Cornell et al., Distributed Processing in Autoplex™ Telecommunications Systems; <u>Proceedings of International Communication Conference</u> , May, 1984 <i>pages</i>
328		Crochiere et al., Real-Time Speech Coding, April, 1982
329		Crochiere et al., A 9.6-kb/s DSP Speech Coder, <u>The Bell System Technical Journal</u> , Vol. 61, No. 9, November, 1982 <i>pages</i>
330		Cuccia, Phase Synchronization of Digitally Modulated Burst Carriers in TDMA Systems - A Technology Overview, IEEE MTT-S <i>Date, pages</i>
331	<i>Ku</i>	Daikoku et al., High Speed Digital Transmission Experiments in 920 MHz Urban and Suburban Mobile Radio Channels, <u>IEEE Transactions on Vehicular Technology</u> , vol. VT-31, no. 2, pp. 70-75, May, 1982
332		Dankberg et al., Implementation of the RLP Vocoder Using the TMS320, 27.8.1/27.8.4 <i>Date</i>
333	<i>Ku</i>	Daroff et al., A Bulk CMOS 40-Channel CB Frequency Synthesizer, <u>IEEE Transactions on Consumer Electronics</u> , Vol. CE-23, No. 4, pp. 518-21, November, 1977
334		Daumer et al., Overview of the ADPCM Coding Algorithm <i>Date, pages</i>
335	<i>Ku</i>	de Couesnongie et al., IRT 1500 Integrated Rural Telephony System, <u>Philips Telecommunications Review</u> , Vol. 41, No. 2, pp. 113-125, June, 1983
336		Deal et al., A Demand-Assignment Time-Division Multiple-Access System for Military Tactical Applications <i>Date, pages</i>
337	<i>Ku</i>	Deygout, A Modern Response to Battlefield Communications Needs, <u>Signal</u> , pp. 26-33, March, 1984

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)	ATTY. DOCKET NO. I-1-58.7US	SERIAL NO. Not Yet Known <i>09/923,171</i>
	APPLICANT Paneth et al.	
	FILING DATE Not Yet Known	GROUP Not Yet Known <i>2661</i>

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

338		Dill, TDMA, The State-of-the-Art <i>Date, pages</i>
339	<i>Kur</i>	Dill, Demand-Assignment Multiple-Access Control Techniques, <u>IEEE Intercom. Tech. Paper</u> , pp. 1-5, 1983
340	<i>Kur</i>	Dill, Interplant Business Telecommunications Via Satellite, <u>IEEE</u> , pp. 26.2.1-26.2.6, 1981
341		Eckert et al., The Fully Digital Cellular Radio Telephone System CD 900, <u>Nordic Seminar on Digital Land Mobile Radio communication</u> , Espoo, Finland, pp. 249-260, February, 1985
342		Ey et al., PCM30F, Grundstufe der Digital-Ubertragungssysteme (PCM30F, Basic Level of digital Transmission Systems), <u>Telcom Report, Special Issue Digital Transmission Systems</u> , vol. 2, pp. 35-41, 1979
343		Failli et al., Alternative Architectures for a European Digital Mobile Radio System in the 900 MHz Band, <u>CSELT Technical Reports</u> , Vol. XIII, No. 2, pp. 79-83, April, 1985
344	<i>✓</i>	<u>Feher, Digital Communications</u> , Chapter 8, pp. 350-362, 1983
345	<i>Kur</i>	Fennel, Jr. et al., A Satellite Communication Controller, IBM Systems Journal, Vol. 22, Nos. 1 and 2 pp. 81-95, 1983
346		Frank, Plan Today for Tomorrow's Data/Voice Nets, Data Communications, September, 1978 <i>pages</i>
347		Frese, System Specification for a Demand Assigned, Multiple Access System, TT-A2-2206-0029, March, 1976 <i>pages</i>
348	<i>Kur</i>	Garner et al., Advanced Narrowband Digital Voice Terminal, <u>Signal</u> , pp. 7-18, November, 1978
349		Garnier, The IRT 1500, A Rural TDMA Radio Subscriber Loop System <i>2 Date</i>
350		Gask, Adaptive DAMA TDMA Network <i>pages</i>

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)	ATTY. DOCKET NO. I-1-58.7US	SERIAL NO. Not Yet Known 09/923,171
	APPLICANT Paneth et al.	
	FILING DATE Not Yet Known	GROUP Not Yet Known <i>2661</i>

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

351		Gieseler et al, Speech Bandwidth Reduction, November, 1980 <i>pages</i>
352		Gillig, RF Quadrature Modulators, Paper, May, 1993 <i>pages</i>
353	<i>W</i>	Goode, SBS TDMA-DA System with VAC and DAY, <u>Proceedings of the IEEE</u> , Vol. 72, No. 11, pp. 1594-1610, November, 1984
354		Goodman et al., Combined Source and Channel Coding for Matching the Speech Transmission Rate to the Quality of the Channel, <u>IEEE</u> , 1982 <i>pages</i>
355	<i>W</i>	Hall et al., Rural Telephony with Radio Concentrators, <u>TELE</u> , pp. 37-49, 1983
356		Hata et al, A New 40 GHz Digital Distribution Radio with Single Local Oscillator, <u>1978 IEEE MTT-S International Microwave Symposium Digest</u> , Ottawa, Ont., Canada, pp. 236-238, June, 1978
357		Hata et al., Evaluation of Diversity Effects on Mobile Radio System Design, <u>The Transactions of the IECE of Japan</u> , vol. E64, no. 5, pp. 302-308, May, 1981
358		Hata et al., Radio Link Design of Cellular Land Mobile Communication Systems, <u>1978 IEEE Transactions on Vehicular Technology</u> , vol. VT-31, no. 1, pp. 25-31, February, 1982
359	<i>W</i>	Hata et al., Performance of MSK High-Speed Digital Transmission in Land Mobile Radio Channels, <u>IEEE Global Telecommunications Conference, GLOBECOM '84 Conference Record</u> , Atlanta, GA, vol. 1, pp. 518-523, January, 1984

EXAMINER <i>W</i>	DATE CONSIDERED <i>11/16/01</i>
-------------------	---------------------------------

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)	ATTY. DOCKET NO. I-1-58.7US	SERIAL NO. Not Yet Known <i>09/23,171</i>
	APPLICANT Paneth et al.	
	FILING DATE Not Yet Known	GROUP Not Yet Known <i>266f</i>

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

360			Hata, Mobile Radio Systems, March, 1986 <i>pages</i>
361	<i>ku</i>		Hauptschein, Distributed Time Division Multiple Access (DTDMA)-Principles and Analysis Techniques, <u>IEEE</u> , pp. 650-660, 1983
362			Heinen et al, JTIDS II/DTDMA Tactical Terminal, paper, pp. 39-1-39-6 <i>Date</i>
363	<i>ku</i>		Henry et al, A New Approach to High-Capacity Digital Mobile Radio, <u>The Bell System Technical Journal</u> , Vol. 60, No. 8, pp. 1891-1905, October, 1985
364			Hirade et al., Feasibility of Digital Voice Transmission in Mobile Radio Communication, Denshi Gakkai Tsushin Kenkyo Shiryo, CS 78-2 <i>Date pages</i>
365	<i>ku</i>		Hirade et al, Error-Rate Performance of Digital FM with Discriminator-Detection in the Presence of Co-channel Interference under Fast Rayleigh Fading Environment, <u>The Transactions of the IECE of Japan</u> , vol. E 61, no. 9, pp. 704-709, September, 1976
366			Hirade et al., A Study of Modulation for Digital Mobile Telephony, <u>Proceedings of the 29th IEEE Vehicular Technology Conference</u> , Arlington Heights, IL, pp. 13-19, March, 1979
367			Hirade et al., GMSK Transmission Performance in Land Mobile Radio, <u>IEEE Global Telecommunications Conference (GLOBECOM '82)</u> , Miami, FL, vol. 1, pp. 328-333, January, 1982
368			Hiyama et al., Digital Radio Concentrator System (DRCS), <u>NEC Research and Development</u> , no. 76, pp. 24-35, January, 1985
369	<i>ku</i>		Hiyama et al., 1.5 Ghz Transmitter-Receiver for Digital Radio Concentrator System (DRCS), <u>NEC Res. & Develop.</u> , No. 81, pp. 86-91, April, 1986

EXAMINER <i>ku</i>	DATE CONSIDERED <i>11/16/01</i>
-----------------------	------------------------------------

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)	ATTY. DOCKET NO. I-1-58.7US	SERIAL NO. Not Yet Known <i>09/923,171</i>
	APPLICANT Paneth et al.	
	FILING DATE Not Yet Known	GROUP Not Yet Known <i>2661</i>

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

370	<i>KW</i>	Hochrath et al., Tonprogrammübertragung mit dem PCM-Tonkanalsystem MStD (Tone Program Transmission by means of the PCM Tone Program Channel System MStD), <u>Telcom Report, Special Issue Digital Transmission Systems</u> , vol. 2, pp. 52-58, 1979
371		Hollingsworth, Demand Assignment Techniques Study (DATS) for Military Satellite Communication Applications, <u>Collins Report</u> , Volume 2, Final Report, June, 1977
372		Honda et al., Predictive Coding Q = Speech Signal With Adaptive Bit Allocation, <u>Nippon Onkyo Gakkai</u> , S80-2, Translation, April, 1980
373		Honda et al., Adaptive Bit Allocation Scheme in Predictive Coding of Speech, <u>IEEE Acoustics, Speech and Signal Processing Society</u> , vol. 3, pp. 1672-1675, 1982
374		Hoversten, International Broadcast Packet Satellite Services, <u>Evolutions in Computer Communications - Proceedings of the Fourth International Conference on Computer Communications</u> , September, 1978
375		Hoversten, Design Considerations for Data Networks, <u>Data Networks with Satellites - Working Conference of the Joint GI/NTG Working Group 'Computer Networks'</u> , pp. 1-36, September, 1982
376	<i>KW</i>	Husted et al., Low Cost Satellite Data Transmission Networks Using Demand Assigned TDMA, <u>Fourth International Conference on Digital Satellite Communications</u> , October, 1978
377		Ikoma et al., Digital Rural Subscriber System <i>Date, Pages</i>
378	<i>KW</i>	Ikoma et al., Narrow-Band Digital Mobile-Radio Equipment, <u>IEEE</u> , pp. 23.3.3-23.3.5, 1981

EXAMINER <i>KW</i>	DATE CONSIDERED <i>11/16/01</i>
--------------------	---------------------------------

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)	ATTY. DOCKET NO. I-1-58.7US	SERIAL NO. Not Yet Known <i>09/923,121</i>
	APPLICANT Paneth et al.	
	FILING DATE Not Yet Known	GROUP Not Yet Known <i>2661</i>

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

379		Izumi et al., A Digital Mobile Radio Telephone System Using TDMA Scheme, Translation
380		Izumi, Basic Study of Time Division Multiple Access Mobile Communication System (Translation) <i>Date pages</i>
381		Jacobs et al., Configuring a TDMA Satellite Communication System, Paper, pp. 443-446 <i>Date</i>
382	<i>Ku</i>	Jakes, Microwave Mobile Communications (Chaps. 5 and 6, Wiley), 1974
383		Jewett et al., Modulation and Coding Study for the Advanced Narrowband Digital Voice Terminal, NRL Memorandum Rept. No. 3811, August, 1978
384		Joel, Jr., Digital Switching - How It Has Developed, <u>IEEE Transactions on Communications</u> , Vol. COM-27, no. 7, pp. 948-959, July, 1979
385		Jones, Army Firms Up JTIDS Planning, <u>Defense Electronics</u> , pp. 81-86, August, 1982
386		Kaltenmeier, A Subband Coder for Digital Speech Transmission in the Digital Cellular Radio Telephone System CD 900, <u>Nordic Seminar on Digital Land Mobile Radiocommunication</u> , Espoo, Finland, pp. 279-286, February, 1985
387		Kammerlander, C-900 - An advanced Mobile Radio Telephone System with Optimum Frequency Utilization, <u>IEEE Transactions on Vehicular Technology</u> vol. VT-33, no. 3, pp. 205-213, August, 1984
388		Katterfeldt et al., Implementation of a Robust RELP Speech Coder, IEEE ICASSP 83, 1316-1319, 1983
389		Kavehrad et al., Spread Spectrum for Indoor Digital Radio <i>Date pages</i>

EXAMINER <i>Ku</i>	DATE CONSIDERED <i>11/24/81</i>
--------------------	---------------------------------

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)	ATTY. DOCKET NO. I-1-58.7US	SERIAL NO. Not Yet Known <i>09/923,171</i>
	APPLICANT Paneth et al.	
	FILING DATE Not Yet Known	GROUP Not Yet Known <i>See</i>

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

390		Ketterling, Narrow-Band Time Division Multiplex Transmission Methods for Public Mobile Telephone Systems, Paper
391		Kinoshita et al., A Digital Mobile Radio Telephone System Using TDMA Scheme, Report, Workshop of Communication System, CS 79-192, (with translation).
392	<i>kin</i>	Kinoshita et al., Translation of Study of Modulation/Demodulation Scheme in TDMA Mobile Communication, General Meeting, Communication Section, Japanese Society of Electronic Communication, 2098, 1979
393	<i>KN</i>	Kinoshita et al., Translation of TDMA Mobile Wireless Telephone Experimental Device, General Meeting, Communication Section, Japanese Society of Electronic Communication, 485, 1980
394	<i>kin</i>	Kinoshita et al., A Digital Mobile Telephone System Using TD-FDMA Scheme: Denshi Tsushin Gakkin Ronbun Shi (Transactions of the Institute of Electronics and Communications Engineers of Japan) vol. J-64B, No. 9, pp. 1016-1023, (English translation w/certification), 1981
395		Kinoshita et al., Digital Mobile Telephone System Using TD/FDMA Scheme, IEEE International Conference on Communications, Denver, Colorado, June, 1981 <i>pages</i>
396	<i>kin</i>	Kinoshita et al., Digital Mobile Telephone System Using TD/FDMA Scheme, <u>IEEE Transactions on Vehicular Technology</u> , vol. VT-31, no. 4, pp. 153-157, November, 1982
397	<i>I</i>	Kinoshita et al., Evaluation of 16 kbit/s Digital Voice Transmission for Mobile Radio, <u>IEEE Transactions on Vehicular Technology</u> , vol. VT-33, no. 4, pp. 321-327, November, 1984
398	<i>✓</i>	Kobayashi et al., A Method of Digital Radio Concentrator System with TDMA for Rural Communication, <u>The Reports of Development Research on the Electronics and Communication Laboratory</u> , vol. 84, no. 316, pp. 43-48, 1985

EXAMINER

kin

DATE CONSIDERED

11/16/01

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)	ATTY. DOCKET NO. I-1-58.7US	SERIAL NO. Not Yet Known <i>09/23/71</i>
	APPLICANT Paneth et al.	
	FILING DATE Not Yet Known	GROUP Not Yet Known <i>2661</i>

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

399			Kokuriyou, Carrier Phase Controlling Device, Abstract, Japan, Appln. No. 58-245539	<i>date pages</i>
400			Kokuriyou, Carrier Phase Controlling Device, Abstract, Japan, Appln. No. 58-245540	
401			Koneru et al., DPCM CODECS Designed for PSK Voiceband Data, Paper	
402	<i>kn</i>		Kontani et al., NEAX 61 Digital Mobile Telephone Switching System, <u>NEC Res. & Develop.</u> , No. 67, pp. 21-31, October, 1982	
403	<i>kn</i>		Krause et al., Tactical VHF Radio Communications in the German Army, <u>Signal</u> , pp. 27-32, November, 1982	
404			Kreutzer, CD 900 System Concept, Paper	
405	<i>kn</i>		Kreutzer, Experimental Investigations on a Digital Mobile Telephone System Using TDMA and Spread Spectrum Techniques, <u>Nordic Seminar on Digital Land Mobile Radiocommunication</u> , Espoo, Finland, pp. 287-294, February, 1985	
406	<i>kn</i>		Kuchenbecker et al., Digital Speech Transmission on Mobile Radio Channels, <u>Signal Processing II: Theories and Applications</u> , pp. 535-538, 1983	
407			Langenbucher, Efficient Coding and Speech Interpolation Principles and Performance Characterization, 1982	
408			Langewellpott, Autotel: A Novel Wideband Mobile Telephone and Data System at 900 Megahertz	<i>Date Pages</i>
409			Langewellpott, CD 900 Radio Transmission and Signal Processing: Analysis or Transmission Quality, Paper	

EXAMINER <i>kn</i>	DATE CONSIDERED <i>11/16/01</i>
--------------------	---------------------------------

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)	ATTY. DOCKET NO. I-1-58.7US	SERIAL NO. Not Yet Known <i>09/923/171</i>
	APPLICANT Paneth et al.	
	FILING DATE Not Yet Known	GROUP Not Yet Known <i>2661</i>

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

410	<i>Kw</i>	Langewellpott et al., Performance Analysis of Radio Transmission in the Fully Digital Cellular Radio System CD 900, <u>Nordic Seminar on Digital Land Mobile Radiocommunication</u> , Espoo, Finland, pp. 261-269, February, 1985
411	<i>Kw</i>	Le-Ngoc et al., SR500 - A Point to Multipoint Microwave Radio System with a Random Request Demand-Assignment Time-Division-Multiple-Access (RR-DA-TDMA) Scheme, pp. 93-96
412	<i>Kw</i>	Le-Ngoc, A Random-Request Demand-Assigned Multiple Access Protocol for Point-to-Multipoint Radio Systems, <u>IEEE International Conference on Communications 1985</u> , Chicago, Ill., pp. 744-748, June 1985
413	<i>Kw</i>	Lebleboojian et al., Joint Tactical Information Distribution System (JTIDS) System Description System/Subsystem Summary Report for JTIDS Full Scale Development (FSD), Engineering Technical Report for Electronic Systems Division, CDRL No. 164, March, 1985 <i>pages</i>
414	<i>Kw</i>	Lebow, An Integrated Communications Controller for Demand-Assignment, IEEE International Conference on Communications, June 1983 <i>pages</i>
415	<i>Kw</i>	Lee, Time Compression and Expansion of Speech by the Sampling Method, Journal of the Audio Engineering Society <i>Date, pages</i>
416	<i>Kw</i>	Lewis, Introduction of Time Division Multiple Access System in International Communication Satellites, <u>IEEE Information Technology 82</u> , pp. 228-232
417	<i>Kw</i>	Mahmoud et al., An Integrated Voice/Data System for VHF/UHF Mobile Radio, <u>IEEE Journal on Selected Areas in Communications</u> , Vol. SAC-1, No. 6, pp. 1098-1111, December, 1983
418	<i>Kw</i>	Maitre et al., Speech Coding Activities Within CCITT: Status and Trends, IEEE Int'l. Conf. on Acoustics, Speech and Signal Processing Paris, France, Vol. 2, pp. 954-959, May, 1982
419	<i>Kw</i>	<u>Martin, Communications Satellite Systems</u> , by Prentice-Hall, Inc., 1978

EXAMINER <i>Kw</i>	DATE CONSIDERED <i>11/16/01</i>
-----------------------	------------------------------------

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)	ATTY. DOCKET NO. I-1-58.7US	SERIAL NO. Not Yet Known <i>09/923,121</i>
	APPLICANT Paneth et al.	
	FILING DATE Not Yet Known	GROUP Not Yet Known <i>2661</i>

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

420	<i>Ken</i>	Maruta et al., Per-Channel ADPCM CODEC for Multi-Purpose Applications, IEEE Globecom '82, 1982
421	<i>Ken</i>	McGlade et al., Co-Channel Interference in a Digital Radio Concentrator System, <u>IREECON International Sydney '83</u> , 19th International Electronics Convention & Exhibition, pp. 449-451
422	<i>Ken</i>	McLaughlin, Comparison of Sub-Band Coding and Adaptive Predictive Coding for Land Mobile Radio, <u>Nordic Seminar on Digital Land Mobile Radiocommunication</u> , Espoo, Finland, February, 1985
423	<i>Ken</i>	McLaughlin, 2400 BPS Digital Speech for Land Mobile Radio, <u>GLOBECOM '82: IEEE Global Telecommunications Conference</u> , Miami, Florida, Vol. 1, pp. 66-70, January, 1992
424	<i>Ken</i>	Miki et al., Field Experiments on 128 kbit/s Digital Signal Transmission with Post-Detection Selection Diversity in Land Mobile Radio Channels, <u>The Transactions of the IECE of Japan</u> , vol. E 66, no. 9, pp. 559-560, September, 1983
425	<i>Ken</i>	Miki, et al., Performance of 16 kbit/s GMSK Transmission with Postdetection Selection Diversity in Land Mobile Radio, <u>IEEE Journal on Selected Areas in Communications</u> , vol. SAC-2, no. 4, pp. 512-517, July, 1984
426	<i>Ken</i>	Mittal et al., A Specialized TDMA Network for Business Services, Sixth International Conference on Digital Satellite Communication, September, 1983
427	<i>Ken</i>	Miya, Technical Survey, <u>Fourth International Conference on Digital Satellite Communications</u> , Montreal, Canada, October, 1978
428	<i>Ken</i>	<u>Miya et al., Satellite Communications Technology</u> , 1980
429	<i>Ken</i>	Miyawaki (NEC) et al., Radio Subscriber System (RSS), <u>NEC Research and Development</u> , no. 53, pp. 36-45, 1979

EXAMINER <i>Ken</i>	DATE CONSIDERED <i>10/16/81</i>
---------------------	---------------------------------

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)	ATTY. DOCKET NO. I-1-58.7US	SERIAL NO. Not Yet Known <i>07923171</i>
	APPLICANT Paneth et al.	
	FILING DATE Not Yet Known	GROUP Not Yet Known <i>2661</i>

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

430	<i>ku</i>	Montagna et al., Constraints on Speech Coding for Mobile Communications, <u>Nordic Seminar on Digital Land Mobile Radiocommunication</u> , Espoo, Finland, February, 1985
431		Murakami, A Low Noise ADPCM-Log PCM Code Converter, <u>Proceedings of 1979 ISCAS</u>
432		Murakami et al., A Multiple Access Digital Microwave Radio System for Local Subscribers, <u>IEEE International Conference on Communications: Integrating Communication for World Progress (ICC '83)</u> , Boston, MA, vol. 1, pp. 380-386, June, 1983
433		Murota et al., GMSK Modulation for Digital Mobile Radio Telephony, <u>IEEE Transactions on Communications</u> , vol. COM-29, no. 7, pp. 1044-1050, July, 1981
434		Murota et al., Spectrum Efficiency of GMSK Land Mobile Radio, <u>IEEE 1981 International Conference on Communications</u> , Denver, CO, vol. 2, pp. 23.8/1-5, June, 1981
435		Murota et al., A Transmitter Diversity for MSK with 2-Bit Differential Detection, <u>IEEE International Conference on Communications: The Digital Revolution (ICC '82)</u> , Philadelphia, PA, vol. 3, p. 5B.1/1-5, June, 1982
436	<i>u</i>	Nakajima et al., Radio Channel Structure for SCPC/FDMA Digital Mobile Systems, <u>38th IEEE Vehicular Technology on the Move</u> , Philadelphia, PA, pp. 623-628, June, 1988
437		NEC Corporation, Digital Remote Area Subscriber Radio Telephone System (Digital BSS System), pp. 1-24 <i>Date</i>
438	<i>ku</i>	Nicholson et al., MSAT Mobile Terminal Design Considerations, <u>33rd Vehicular Technology Conference</u> , Toronto, Ontario, pp. 347-351, May, 1983

EXAMINER <i>ku</i>	DATE CONSIDERED <i>11/16/01</i>
--------------------	---------------------------------

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)	ATTY. DOCKET NO. I-1-58.7US	SERIAL NO. Not Yet Known <i>09/923,171</i>
	APPLICANT Paneth et al.	
	FILING DATE Not Yet Known	GROUP Not Yet Known <i>2661</i>

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

439	<i>Kw</i>	Noll, (NEC), Funkfernsprechen bitweise - Digitaltechnik fürs Autotelefon (Bitwise Telephoning - Digital Technique for the Car Telephone), pp. 50-52, 1986
440		Nooney, UHF Demand Assigned Multiple Access (UHF DAMA) System for Tactical Satellite Communications
441	<i>Kw</i>	Nosaka et al., TTT System (50 Mbits/s PCM-TDMA System With Time Preassignment and TASI) and Its Satellite Test Results, <u>IEEE Transactions on Communications</u> , Vol. COM-20, No. 5, pp. 820-825, August, 1972
442	<i>Kw</i>	Nuspl et al., Synchronization Methods for TDMA, <u>Proceedings of the IEEE</u> , vol. 65, no. 3, pp. 434-442, March, 1977
443	<i>Kw</i>	Otsuka, The Transmission Control Method for Time Division Multiple Access System, Japanese Patent Publication 99044/83, December, 1981
444	<i>Kw</i>	Oyekunle et al., A 4800 BPS Modem Transmitter Implementation on the PMDS, Memorandum for File, May, 1976
445	<i>Kw</i>	Pape et al., The Digital Channel Efficiency Model, <u>Signal</u> , pp. 69-73, June, 1984
446	<i>Kw</i>	Parker et al., Low Bit Rate Speech Enhancement Using a New Method of Multiple Impulse Excitation, <u>IEEE International Conference on Acoustics, Speech, and Signal Processing</u> , San Diego, CA, pp. 1.5./1-5, March, 1984
447		Pernice, The Transition From Analog to Digital Transmission Methods in the Radio Telephone Service <i>Date, pages</i>
448		Pintani et al., The INTELSAT-TDMA/DSI System
449	<i>Kw</i>	Pourmand et al., DYNAC Mitelnet/System, MITELNET: A Private Network Using TDMA IEEE, 1981
450	<i>Kw</i>	Powers et al., A Digital Implementation of a Multichannel Data Modem, <u>1968 IEEE International Conference on Communications</u> , pp. 706-711, 1968

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)	ATTY. DOCKET NO. I-1-58.7US	SERIAL NO. Not Yet Known <i>09/923,171</i>
	APPLICANT Paneth et al.	
	FILING DATE Not Yet Known	GROUP Not Yet Known <i>2661</i>

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

451	<i>Kur</i>		Puente et al., Multiple-Access Techniques for Commercial Satellites, <u>Proceedings of the IEEE</u> , Vol. 59, No. 2, pp. 218-225, February, 1971
452	<i>Kur</i>		Ramstad, Sub-band Coder with a Simple Adaptive Bit-Allocation Algorithm A Possible Candidate for Digital Mobile Telephony? IEEE ICASSP 82, 203-207, 1982
453	<i>Kur</i>		Raulin et al., A 60 Channel PCM-ADPCM Converter, <u>IEEE Transactions on Communications</u> , Vol. COM-30, No. 4, pp. 567-573, April, 1982
454	<i>Kur</i>		Raulin et al., A 32 kbit/s PCM to ADPCM Converter, <u>ICASSP 82: IEEE Int. Conference on Acoustics, Speech and Signal Processing</u> , Paris, France, May, 1982
455	<i>Kur</i>		Richter, Method and Apparatus for Monitoring a PCM Coding/Decoding Device, Specification of Patent Application No. 12507/83, May, 1984
456			Rubin, Distributed TDMA An Approach to JTIDS Phase II <i>date, pages</i>
457			Rubin et al., JTIDS II/DTDMA - Command and Control Terminals <i>date pages</i>
458	<i>Kur</i>		Rubin et al., JTIDS Distributed TDMA (DTDMA) Terminal Development Results With Emphasis on Relative Navigation Performance, <u>IEEE</u> , pp. 285-299
459	<i>Kur</i>		Rubin, The Development of JTIDS Distributed (DTDMA) Advanced Development Model (ADM) Terminals, <u>1982 IEEE Military Communications Conference</u> , Boston, Massachusetts, Vol. 3, pp. 31.4-1 - 34.4-9, October, 1982
460	<i>Kur</i>		Rustako et al., Performance of Feedback and Switch Space Diversity 900 Mhz FM Mobile Radio Systems With Rayleigh Fading, <u>IEEE Transactions on Communications</u> , Vol. COM-21, No. 11, November, 1973

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)	ATTY. DOCKET NO. I-1-58.7US	SERIAL NO. Not Yet Known <i>09/923,171</i>
	APPLICANT Paneth et al.	
	FILING DATE Not Yet Known	GROUP Not Yet Known <i>2661</i>

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

461	<i>Kw</i>		Sachs, Digital Voice Considerations for the Land-Mobile Radio Service, <u>Proceedings of the 27th IEEE Vehicular Technology Conference</u> , Orlando, Florida, pp. 207-219, March, 1977
462	<i>Kw</i>		Sakamoto et al., Efficient Frequency Utilization Techniques for High-Capacity Land Mobile Communications System, <u>Review of the Electrical Communications Laboratories</u> , vol. 35, no. 2, pp. 89-94
463	<i>Kw</i>		Salamoff et al., DYNAC: A Low Cost DATA/Voice Communications Network, Telecommunications, pp 71, et. sec., August, 1979
464	<i>Kw</i>		Sandes, Delta Modulation in Digital Telephone Networks (including translation) TELETRONIKK No. 4, pp. 317-320 (Delta Modulation Digital Telefonnett)
465			Sargeant, Rural-Telephone Network Development in Australia <i>Date, pgs</i>
466			Sasaki et al., 2 Ghz Multi-Direction Time Division Multiplex-Radio-Equipment <i>Date, Pages</i>
467	<i>Kw</i>		Schmidt, The Application of TDMA to the Intersat IV Satellite Series, COMSAT Technical Review, Vol. 3, No. 2
468	<i>Kw</i>		Schulz et al., Digital-to-Analog Converter System, <u>IBM Technical Disclosure Bulletin</u> , Vol. 16, No. 1, pp. 137-138, June, 1973
469	<i>Kw</i>		Schwartz et al., Communication Systems and Techniques, chapters 10 and 11 McGraw Hill Book Company, New York
470			Sekimoto et al., Design Benefits of Software and Processing for TDMA <i>Date, Pages</i> Terminals

EXAMINER <i>Kw</i>	DATE CONSIDERED <i>11/16/01</i>
-----------------------	------------------------------------

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)	ATTY. DOCKET NO. I-1-58.7US	SERIAL NO. Not Yet Known 09/23/71
	APPLICANT Paneth et al.	
	FILING DATE Not Yet Known	GROUP Not Yet Known 2661

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

471	<i>ku</i>	Senensieb et al., A Non-Iterative Algorithm for Obtaining Multi-Pulse Excitation for Linear-Predictive Speech Coders, <u>IEEE International Conference on Acoustics, Speech, and Signal Processing</u> , San Diego, CA, pp. 10.2./1-4, March, 1984
472		Seo (NEC) et al., Broadband Switching System, <u>NEC Research and Development</u> , vol. 38, no. 5, pp. 154-159
473		Shapiro et al., A Full Duplex 1200/300 Bit/s Single-Chip CMOS Modem, <u>IEEE Journal of Solid-State Circuits</u> , Vol. sC-20, No. 6, pp. 1169-1178, December, 1985
474		Shimasaki et al., The Terrestrial Interface at Spade Terminals, <u>Prog. Astro. & Aero.</u> , Vol. 25, pp. 572-586
475		Shindo et al., Radio Subscriber Loop System for High-Speed Digital Communications, 0733-8716/83/0900-0609, IEEE
476		Shindo et al., Radio Local Distribution System for High-Speed Digital Communications, IEEE Journal on Slected Areas in Communications, Vol. SAC-1, No. 4
477		Shindo et al., TDMA for Radio Local Distribution System, <u>IEEE International Conference on Communications</u> , Boston, Mass., Vol. 1, pp. B2.3.1 - B2.3.5, June, 1983
478		Shindo et al., Radio Local Distribution Systems for Broadband Communications, <u>The Reports of Development Research on the Electronics and Communication Laboratory</u> , vol. 33, no. 11, pp. 2679-2691
479		Shortall, A Switched Diversity Receiving System for Mobile Radio, <u>IEEE Transactions on Communications</u> , Vol. COM-21, No. 11, pp. 1269-1275, November, 1973
480	<i>a</i>	Sklar, A Structured Overview of Digital Communications - a Tutorial Review - Part I, <u>IEEE Communications Magazine</u> , August, 1983

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)	ATTY. DOCKET NO. I-1-58.7US	SERIAL NO. Not Yet Known 09/23,171
	APPLICANT Paneth et al.	
	FILING DATE Not Yet Known	GROUP Not Yet Known 2661

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

481	Kar	Sluyter et al., A 9.6 Kbit/s Speech Coder for Mobile Radio Applications, IEEE International Conference on Communications, pp. 1159-1162, May, 1984
482		Sputz, The View from Industry - Joint Tactical Information Distribution System (JTIDS), <u>Signal</u> , pp. 15-17, March, 1982
483		Stansfield, Speech Processing For Low Data Rate Digital Voice Communications, System and Random Process Theory, pp. 933-955 (Sijthoff & Noordhoff), 1978
484		Steel, Digital Radio Concentrator System for Remote Areas, <u>Conference on Digital Systems Design</u> , Sydney, Australia, May, 1980
485		Storch et al., TACS Central Control Facility, Technical Report 542, Lincoln Laboratory Report 12, February, 1981
486		Susumu, Radio Based Telephone Switching Method for Servicing Remote Areas, Translation of Japanese Patent Application Disclosure No. S58-81349, May, 1983
487		Suzuki, Canonic Receiver Analysis for Mary Angle Modulations in Rayleigh Fading Environment, <u>IEEE Transactions on Vehicular Technology</u> , Vol. VT-31, Vol. 1, pp. 7-14., February, 1982
488		Suzuki et al., System Considerations of M-ary PSK Land Mobile Radio for Efficient Spectrum Utilization, <u>The Transactions of the IECE of Japan</u> , vol. E 65, no. 3, March, 1982
489		Suzuki et al., Spectrum Efficiency of M-ary PSK Land Mobile Radio, <u>IEEE Transactions on Communications</u> , vol. Com-30, no. 7, pp. 1803-1805, July, 1982
490	✓	Suzuki et al., GMSK Digital Portable Transceiver Using 32 kbps ADM, pp. 341-346, IEEE 33rd Vehicular Technology Conference, Toronto, Ontario (Pgs. 342-346 missing.), May, 1983

EXAMINER	DATE CONSIDERED
Kar	11/26/01

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)	ATTY. DOCKET NO. I-1-58.7US	SERIAL NO. Not Yet Known <i>09/923,171</i>
	APPLICANT Paneth et al.	
	FILING DATE Not Yet Known	GROUP Not Yet Known <i>2661</i>

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

491	<i>Ken</i>	Suzuki et al., Digital Portable Transceiver Using GMSK Modem and ADM Codec, <u>IEEE Journal on Selected Areas in Communications</u> , Vol. SAC-2, No. 4, pp. 604-610, July, 1984
492		Svean, Quality Measurements on Speech Coders For Mobile Radio, IEEE ICASSP 82, pp. 1700-1703, May, 1982
493		Takashi et al., Medium Capacity Automatic Mobile Telephone System Using Multi-Zone Structure, No. 22, pp. 20-25
494		Taylor, TERMINAL ACCESS CONTROL SYSTEM (TACS) Circuit Allocation, Project Report NSP-4, M.I.T. Lincoln Laboratory, May, 1978
495		Taylor et al., TACS -- A DEMAND ASSIGNMENT SYSTEM FOR FLEETSAT, IEEE Transactions on Communications, Vol. COM-27, No. 10, pp. 1484-1496, October, 1979
496		Thorsen, Deltamobile - A Tactical, Digital Communication System, <u>Signal</u> , pp. 55-60, November, 1984
497	<i>✓</i>	Uddenfeldt, Digital Mobile Telephony with Improved Spectrum Efficiency, <u>Nordic Seminar on Digital Land Mobile Radiocommunication</u> , Espoo, Finland, pp. 229-238, February, 1985

EXAMINER <i>Ken</i>	DATE CONSIDERED <i>11/26/01</i>
---------------------	---------------------------------

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)	ATTY. DOCKET NO. I-1-58.7US	SERIAL NO. Not Yet Known <u>09/923,171</u>
	APPLICANT Paneth et al.	
	FILING DATE Not Yet Known	GROUP Not Yet Known <u>2441</u>

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

498	<u>Var</u>	Un et al., The Residual-Excited Linear Prediction Vocoder With Transmission Rate Below 9.6 kbits/s, <u>IEEE Transactions on Communications</u> , Vol. COM-23, No. 12, pp. 1466-1474, December, 1975
499	<u>Var</u>	Urner, Multichannel SHF DAMA System, <u>1983 IEEE Military Communications Conference - Proceedings 1</u> , pp. 234-244, October, 1983
500		Van den Heuvel et al., A Spectrum Efficient Combined Speech and Channel Coding Method Providing High Voice Quality For Land Mobile Radio Systems, February, 1991
501	<u>Var</u>	Viswanathan et al., Design of a Robust Baseband LPC Coder for Speech Transmission over 9.6 Kbit/s Noisy Channel IEEE Trans on Conica Vol. com-30 No. 4, pp. 663-73, April, 1982
502	<u>Var</u>	Viterbi et al., Nonlinear Estimation of PSK-Modulated Carrier Phase With Application to Burst Digital Transmission, <u>IEEE Transactions on Information Theory</u> , Vol. IT-29, No. 4, pp. 543-551, July, 1983
503		Warren, The Ptarmigan System
504		Wells, Joint Tactical Information Distribution System (JTIDS), <u>Signal</u> , pp. 11-17, March, 1982
505		Werth et al., TDM, TDMA for Domestic Satellite Application, IEEE
506	<u>Var</u>	Wilson et al., Rate 3/4 Convolutional Coding of 16-PSK: Code Design and Performance Study, <u>IEEE Transactions on Communications</u> , Vol. COM-32, No. 12, pp. 1308-1314, December, 1984
507		Woolnough, Multipoint Communications Meet Local Network Needs, Special Report, Communications International, September, 1984

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)	ATTY. DOCKET NO. I-1-58.7US	SERIAL NO. Not Yet Known <i>09/923,171</i>
	APPLICANT Paneth et al.	
	FILING DATE Not Yet Known	GROUP Not Yet Known <i>2061</i>

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

508	<i>Wu</i>	Wu et al., Point-to-Multipoint Digital Subscriber Radio Systems for Rural Areas in China, <u>Telecommunications for Pacific Development: PTC '85 Toward a Digital World</u> , Honolulu, Hawaii, pp. 269-272, January, 1985
509	<i>Yue</i>	Yue, Spread Spectrum Mobile Radio, 1977-1982, <u>IEEE Transactions on Vehicular Technology</u> , vol. VT-32, no. 1, pp. 98-105, February, 1983
510		Zeidler, Digital Technique Applications to Mobile Communications
511		Zeidler, The Digital Cellular Mobile Telephone
512		TN-System 6030 Time Multiplex - A Communication System for Voice and Data, TN NACHRICHTEN (News) 1975, Vol. 76
513	<i>Hirade</i>	Hirade et al., Digital Transmission Technology for Mobile Radio Communication, Denshi Tsushin Gakkai Shi, Procdures of Electronic and Telecommunication Engineers of Japan, Vol. 65, No. 2 (Feb. 1982), pp. 192-198

EXAMINER <i>Wu</i>	DATE CONSIDERED <i>11/16/01</i>
-----------------------	------------------------------------

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.